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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/540,570	06/24/2005	Yohei Takahashi	274373US2PCT	6704
OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, L.L.P. 1940 DUKE STREET			EXAMINER	
			PHASGE, ARUN S	
ALEXANDRIA	DRIA, VA 22314		ART UNIT	PAPER NUMBER
			1795	
			NOTIFICATION DATE	DELIVERY MODE
			08/24/2009	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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	Application No.	Applicant(s)	
	10/540,570	TAKAHASHI ET AL.	
Office Action Summary	Examiner	Art Unit	
	Arun S. Phasge	1795	
The MAILING DATE of this communic Period for Reply	cation appears on the cover sheet w	ith the correspondence address	
A SHORTENED STATUTORY PERIOD FOWHICHEVER IS LONGER, FROM THE MADE THE STATE OF THE STATE OF THE MADE THE SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum states a Failure to reply within the set or extended period for reply is specified above, the maximum state of the set of	AILING DATE OF THIS COMMUN of 37 CFR 1.136(a). In no event, however, may a unication. tutory period will apply and will expire SIX (6) MO will, by statute, cause the application to become A	CATION. reply be timely filed NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).	
Status			
Responsive to communication(s) filed This action is FINAL . 2 Since this application is in condition for closed in accordance with the practice.	b)∏ This action is non-final. or allowance except for formal mat		
Disposition of Claims			
4) ☐ Claim(s) 15,18,19 and 25-27 is/are positive day Of the above claim(s) is/are 5) ☐ Claim(s) is/are allowed. 6) ☑ Claim(s) 15,18,19 and 25-27 is/are refered to a sis/are objected to. 8) ☐ Claim(s) are subject to restrict Application Papers	e withdrawn from consideration.		
9) ☐ The specification is objected to by the	Examiner		
10) The drawing(s) filed on is/are: Applicant may not request that any object Replacement drawing sheet(s) including to the sheet of the she	a) accepted or b) objected to tion to the drawing(s) be held in abeya the correction is required if the drawing	nce. See 37 CFR 1.85(a). g(s) is objected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for a) All b) Some * c) None of: 1. Certified copies of the priority of	documents have been received. documents have been received in a of the priority documents have been hal Bureau (PCT Rule 17.2(a)).	Application No received in this National Stage	
Attachment(s) 1) ☑ Notice of References Cited (PTO-892) 2) ☐ Notice of Draftsperson's Patent Drawing Review (PT 3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	ГО-948) Paper No	Summary (PTO-413) (s)/Mail Date Informal Patent Application	

DETAILED ACTION

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 103

Claims 15, 18-19, 25-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sugo of record for reasons of record and further in view of Liang et al. (Liang), U.S. Patent 6,649,037.

The Sugo patent fails to disclose the use of laminated anion and cation fibrous material, rather it uses a mosaic or one sheet.

The Liang patent is cited to show that in electrodeionization the use of alternating layers of anion and cation (see for example figure 6 and col. 10, lines 36-65).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify Sugo by the teachings of Liang.

One having ordinary skill in the art would have been motivated to do this modification, because Liang discloses the use of alternating layers of anion and cation resins in an electric deionization apparatus.

Response to Arguments

Applicant's arguments with respect to claims have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Arun S. Phasge whose telephone number is (571) 272-1345. The examiner can normally be reached on MONDAY-THURSDAY, 7:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nam X. Nguyen can be reached on (571) 272-1342. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Arun S. Phasge/ Primary Examiner, Art Unit 1795